

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
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EFS ID:	16936
Application ID:	10064677
Title of Invention:	Measurement of Curvature of a Subsurface Borehole, and Use of Such Measurement in Directional Drilling
First Named Inventor:	John Barr
Domestic/Foreign Application:	Domestic Application
Filing Date:	null
Effective Receipt Date:	2002-08-06
Submission Type:	Utility Patent Filing
Filing Type:	new-utility
Confirmation Number:	0
Attorney Docket Number:	92.0232
Digital Certificate Holder:	cn=Jeffery Daly, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
Certificate Message Digest:	RujT7d725ssEkbrbRDG5xA==
Total Fees Authorized:	\$1232.0
Payment Category:	DA - Deposit Account
Deposit Account Number:	180584
Deposit Account Name:	Jeffery E Daly





# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

92.0232

## Measurement of Curvature of a Subsurface Borehole, and Use of Such Measurement in Directional Drilling

First Named Inventor: Mr. John D. Barr

### SUBMITTED BY

Name:	Mr. Jeffery E Daly
Registration Number:	44,640
Electronic Signature Mark: Jeffery E Daly	Date Signed: 20020806

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

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### Attached Files:

declaration	92-0232-Dec-P1.tif
declaration	92-0232-Dec-P2.tif

fee-transmittal	92-0232fee.xml
bid-transmittal	92-0232apds.xml
specification	92-0232-Spec.xml

**Attached Image File(s):**

92-0232-Dec-P1.tif  
92-0232-Dec-P2.tif

**Comments:**

Comments – These drawings are informal. Formal drawings will be submitted in a timely manner.

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> <b>(37 CFR 1.63)</b>  <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	<b>Attorney Docket Number</b>	92.0232
	<b>First Named Inventor</b>	Barr et al.
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	/
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Measurement of Curvature of a Subsurface Borehole, and Use of Such Measurement in Directional Drilling**

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
0120076.5		08/17/2001	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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**Burden Hour Statement:** This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**DECLARATION — Utility or Design Patent Application**Direct all correspondence to: ☒ Customer Number or Bar Code Label **26932** OR ☐ Correspondence address belowName **Jeffery E. Daly**Address **Schlumberger Oilfield Services**Address **7211 North Gessner**City **Houston**State **TX**ZIP **77040**Country **USA**Telephone **713-934-6725**Fax **713-934-6609**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventorGiven Name  
(first and middle (if any)) **John D.**Family Name  
or Surname **Barr**Inventor's  
Signature

Date

Residence: City **Cheltenham**State **GLOS**Country **UK**Citizenship **United Kingdom**

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NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name  
(first and middle (if any)) **Geoff**Family Name  
or Surname **Downton**Inventor's  
Signature

Date

Residence: City **Minchinhampton**State **GLOS**Country **UK**Citizenship **United Kingdom**

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[Page 2 of 2]

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 1232**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 180584  
Deposit Account Name: Reed Tool Co.



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Jeffery E Daly  
Electronic Signature Mark: Jeffery E Daly  
Date Signed: 20020806

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 38	103	\$ 18	18	\$ 324
Independent Claims: 5	102	\$ 84	2	\$ 168

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Subtotal For Extra Claims Fees: \$ 492